

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	39	((second or replacement or manager) key) near9 (digital signature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/25 13:13
L2	30	((second or replacement or manager) key) same ((generat\$4 or calculat\$4 or produc\$4) near4 (digital signature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/25 13:14
L3	69	713/177.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/25 13:15
L4	326	713/180.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/25 13:15
S1	11	proxy with generat\$3 with "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 07:40
S3	3	proxy with generat\$3 with "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:53
S4	1	proxy with generat\$3 with key with "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:25
S5	7	proxy with "log access" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:26
S10	0	proxy with "log access" same "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:35

## EAST Search History

S11	3	"replacement key" same "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:52
S12	554	713/176.ccls. and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:53
S13	0	713/176.ccls. and S11 and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:53
S14	0	713/176.ccls. and S5 and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:53
S15	0	713/176.ccls. and S5 and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:53
S16	0	713/176.ccls. and proxy with generat\$3 with "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:54
S17	2	"713"/\$.ccls. and proxy with generat\$3 with "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 11:58
S18	4	"713"/\$.ccls. and ((signing or signature) adj (tool or device)) with generat\$3 with "digital signature" same verif\$3 and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 12:08
S19	34	proxy with signing and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 12:11
S20	3	proxy with signing with verif\$4 and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 12:09

## EAST Search History

S21	95	("6408330" "6028938" "6314521" "6385728" "6393126" "6496930" "6212281" "6212281" "5903652" "6446109" "4405829" "5774550" "5231668" "5659616" "5915024" "6108783" "6212637" "6212637" "5005200" "5018196" "5214702" "5680458" "5748738" "5872848" "6085322" "5465299" "5781630" "5963649" "6091835" "6167518" "6301660" "6381696" "6535978" "6600823" "6671805" "5883956" "6219423" "6219423" "6023509" "6081899" "6199053" "6202157" "6327578" "6367009" "6711553" "6389402" "6148404" "5673316" "5208858" "5602918").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:39
S22	91	(proxy or router or server or device or computer) with manag\$3 with different with keys	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 16:24
S23	40	(proxy or router or server or device or computer) with manag\$3 with different with keys and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 16:28
S25	0	(proxy or router or server or device or computer) with manag\$3 with (different or multiple) with keys with "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 16:29
S26	0	(proxy or router or server or device or computer) with manag\$3 with (different or multiple) with keys same "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 16:30
S27	7	(proxy or router or server or device or computer) with manag\$3 with (different or multiple) with keys and "digital signature" and @ad <="20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 16:30
S29	131	select\$3 same ((private or secrete) adj key) same "digital signature" and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 11:21

## EAST Search History

S30	3	select\$3 same ((private or secrate) adj key) same "digital signature" same (rule or policy) and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 11:23
S32	1	((private or secrate signature) adj key) with select\$3 with (rule or policy) and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 15:54
S33	4	"replacement key" with ("digital signature" or signature) and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 15:58
S34	42	(condition or option or rule or regulation) same (fail or ("not estalished" or un-stablished or unstablished) or deny) same "digital signature" and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:07
S35	0	(condition or option or rule or regulation) same (fail or ("not estalished" or un-stablished or unstablished) or deny) same "digital signature" and "replacement key" and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:13
S36	18	((second or next or another or other or replacement) adj key) with ((generat\$3 or produc\$3) near4 ("digital signature" or signature or watermark\$3)) and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:16
S37	18	((second or next or another or other or replacement) adj key) with ((generat\$3 or produc\$3) near4 ("digital signature" or signature)) and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:28
S38	2	((second or next or another or other or replacement) adj key) with (rule or option) same ("digital signature" or signature) and @ad <= "20001102"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:29

## EAST Search History

S39	95	("6408330" "6028938" "6314521" "6385728" "6393126" "6496930" "6212281" "6212281" "5903652" "6446109" "4405829" "5774550" "5231668" "5659616" "5915024" "6108783" "6212637" "6212637" "5005200" "5018196" "5214702" "5680458" "5748738" "5872848" "6085322" "5465299" "5781630" "5963649" "6091835" "6167518" "6301660" "6381696" "6535978" "6600823" "6671805" "5883956" "6219423" "6219423" "6023509" "6081899" "6199053" "6202157" "6327578" "6367009" "6711553" "6389402" "6148404" "5673316" "5208858" "5602918").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:39
S40	3	S39 and "replacement key"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:48
S41	2	"root key" same "digital signature" same "replacement key"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/15 16:48
S42	0	extract\$4 near4 key near5 (("un" or "not" or "none") adj signed) near3 (data or message or content)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 10:34
S43	0	extract\$4 near9 key near9 (("un" or "not" or "none") adj signed) near9 (data or message or content)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 10:34
S44	0	extract\$4 same key near9 (("un" or "not" or "none") adj signed) near9 (data or message or content)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 10:57
S45	0	extract\$4 same key near9 (("un" or "not" or "none") adj (signed or hashed)) near9 (data or message or content)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 10:58

## EAST Search History

S46	0	(determin\$4 or select\$4 or extract\$4 or choos\$4) near5 key near5 "based on" near5 price	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 11:11
S47	142	select\$4 near8 ((signature or hash\$4) key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 14:01
S48	0	select\$4 near8 ((signature or hash\$4) key) based on price	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 11:23
S49	0	select\$4 near8 ((signature or hash\$4) key) near4 price	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 11:23
S50	0	select\$4 near8 ((signature or hash\$4) key) near4 dollar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 11:23
S51	52	content near4 dependent near4 (watermark\$4 or steganography)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 12:28
S52	0	S51 and progressive security	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 12:25
S53	10	progressive security	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 12:26
S54	0	progressive security and digital signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 12:27
S55	2	progressive security and signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 12:27

## EAST Search History

S56	56	content near4 dependent near4 (watermark\$4 or steganography or (embed\$3 near2 (data or information or code)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 13:03
S57	19	713/176.ccls. and content near4 dependent near4 (watermark\$4 or steganography or (embed\$3 near2 (data or information or code)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 13:06
S58	0	283/113.ccls. and content near4 dependent near4 (watermark\$4 or steganography or (embed\$3 near2 (data or information or code)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 13:06
S59	2	358/3.28.ccls. and content near4 dependent near4 (watermark\$4 or steganography or (embed\$3 near2 (data or information or code)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 13:06
S60	0	162/110.ccls. and content near4 dependent near4 (watermark\$4 or steganography or (embed\$3 near2 (data or information or code)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 13:06
S61	159	higher near3 key near3 security	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 14:02
S62	74	higher near3 level near3 key near3 security	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 15:10
S63	501	(hash\$4 or sign\$4) same ((strong\$2 or secure or larger or longer) near2 key) same (security)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 15:12
S64	14	(hash\$4 or sign\$4) same ((strong\$2 or secure or larger or longer) near2 key) same (high\$2 near5 security)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 15:20
S66	22	(select\$4 or choos\$4) near5 ((larg\$2 or long\$2) near5 key) same (signature or hash\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 16:26

## EAST Search History

S67	0	dignature near3 verif\$6 near6 "public key"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 12:12
S68	0	dignature near3 verif\$6 same "public key"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/07 16:27
S69	1408	public key same (signature near8 verification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 12:13
S70	804	public key near8 (signature near8 verification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 12:13
S71	7	public key near8 (signature near8 verification) same proxy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 12:14
S72	78	public key near8 (signature near8 verification) and proxy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 13:27
S73	78	public key near8 (signature near8 verification) and (gateway router or firewall)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 13:28
S74	2	public key near8 (signature near8 verification) same (gateway router or firewall)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 14:36
S75	31	(signature near8 verification) same (gateway router or firewall)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 14:36
S76	1741	(proxy or router or gateway) same ("digital signature" or certificate or digest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 15:35



## EAST Search History

S77	493	(proxy or router or gateway) near5 ("digital signature" or certificate or digest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 15:50
S78	68	(proxy or router or gateway) near5 ("digital signature" or certificate or digest) same verification	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 15:35
S79	52	(proxy or router or gateway) near5 ("digital signature" or certificate or digest) near8 verification	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/08 15:36
S80	89	713/173.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/09 09:42
S81	136	((generat\$4 or produc\$4) near5 signature) same (proxy or router)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 08:05
S82	194	((generat\$4 or produc\$4) near5 signature) same (proxy or router or inter or "intermediary device")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 08:38
S83	2	"09683760"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 08:26
S84	2	US "6453416" B1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:32
S85	2	"6453416".pn. and (proxy same key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:38
S86	3	(determin\$4 or select\$4) near9 (signature near key) same (proxy or gateway or router or (intermed\$4 device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:40

## EAST Search History

S87	0	(determin\$4 or select\$4) near9 (signature near key) same (firewall)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:41
S88	0	(determin\$4 or select\$4) near9 (signature near key) same (intermediary network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:41
S89	269	(determin\$4 or select\$4) near9 (signature near key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:42
S90	10	(determin\$4 or select\$4) near9 (signature near key) near9 (rules or regulations)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:44
S91	173	(determin\$4 or select\$4) near3 (signature near key) near9 keys	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:45
S92	168	(determin\$4 or select\$4) near3 (signature near key) near3 keys	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:45
S93	88	(determin\$4 or select\$4) near3 (signature key) near3 keys	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:46
S94	19	(determining or selecting) near3 (signature key) near3 keys	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 14:49
S95	44	(determined or selected) near3 (signature key) near3 keys	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/14 15:14